

# FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy, NID to Field Office

Approval Letter

Disapproval Letter

## COMPLETION DATA:

Date Well Completed

Location Inspected

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

Bond released

GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

State of Fee Land

## LOGS FILED

Driller's Log

Electric Logs (No. )

E-1 \_\_\_\_\_ I-1 \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

*Prin GCC*

*1 (Obtained from Petroleum Information)*

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

May 14, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

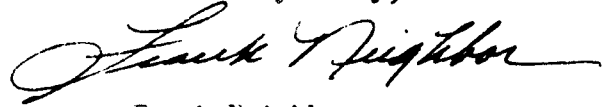
Dear Mr. Hauptman:

The following is the first weekly report for May 8, to and including May 13, 1951, for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

Elevation. . . 4820' ground. Contractor. . . Loffland Bros. ✓

May 8 to 13 - - Working on road and location.

Yours very truly,



Frank Neighbor  
District Geologist

FNmm

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-0577

Unit South Oquirrh

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	<input type="checkbox"/>
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ALTERING CASING.....	<input type="checkbox"/>
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	<input type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	<input type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT.....	<input type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	<input type="checkbox"/>	SUPPLEMENTARY WELL HISTORY.....	<input type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....	<input type="checkbox"/>		<input type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

15 May 1951

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22  
NE 1/4 NE 1/4 Section 22 9 South 20 East Salt Lake  
(1/4 Sec. and Sec. No.) (Twp) (Range) (Meridian)  
Wilcoats Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 6830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

6000' test

500' 13 3/8" J-55 54.5# casing full hole cemented from 0-500'. Guide shoe and float collar.

234' J-55 casing cemented for completion with 6000# test well head equipment to be used.

Baroid Mud Logging Unit from 1000' to TD

Will core and test all shows of oil and gas.

Estimated horizons:

Uinta - surface  
Green River - 2000'  
Wasatch - 5300'

Electric log from surface casing seat to TD. (SEE ATTACHED RIDER FOR APPROVAL)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SUN OIL COMPANY

Address P. O. Box 1738

Denver, Colorado

Box 95, Box 95, Salt Lake City, Utah

By Frank D. Neighbor  
Title District Geologist

Federal Land

CONDITIONS OF APPROVAL

1. The lessee or operator shall mark the derrick or well in a conspicuous place with the name of the operator, well number, the land office and serial number of the lease, and location of the well and shall take all necessary precautions to preserve these markings.
2. A conductor or surface string of casing shall be run and cemented from bottom to surface unless other procedure is expressly authorized by this approval. The conductor or surface string shall be of sufficient weight and length and have installed thereon the proper and necessary high pressure fittings and equipment to keep the well under control in case an unexpected flow of gas, oil or water is encountered.
3. All showings of oil or gas are to be adequately tested for their commercial possibilities. All showings shall be properly protected by mud, cement, or casing so that each showing will be confined to its original stratum. Necessary precautions shall be taken to prevent waste or damage to other minerals drilled through and the U. S. Geological Survey, upon request, shall be furnished with carefully taken samples of such minerals as coal, potash and salt.
4. Lessee's Monthly Report of Operations (Form 9-329) shall be filed in duplicate with the office of the U. S. Geological Survey, P. C. Box 400, Casper, Wyoming, not later than the sixth of the succeeding month. The report should show for this well any change of status occurring within the particular month such as date drilling commenced, suspended, resumed or completed, total depth as of the end of the month, and if shut down the reason therefor.
5. Two copies of the log of this well on Form 9-330, or other acceptable form and ~~when available~~ two copies of all electrical logs, directional, diameter and temperature surveys of the hole shall be filed with the district engineer within 15 days after such information is received by operator or completion of the well whichever is earlier.
6. The District Engineer, C. A. Hauptman, 306 Federal Building, Salt Lake City 1, Utah, shall be notified on Form 9-331 in triplicate giving in detail all necessary details of the proposed operation or test for proper consideration and action sufficiently in advance of making casing or formation tests, shooting or acidizing, running or cementing casing, other than the surface or conductor string, to permit approval of the notice prior to date of proposed work.

Approved MAY 18 1951

*C. A. Hauptman*

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

RECEIVED  
MAY 22 1951  
F. NEIGHBOR

May 21, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Mr. Hauptman:

The following is the weekly report for May 14 to and including May 20, 1951, for the Sun Oil Company #1 South Curay Unit, C NE NE section 22, T9S, R20E, Uintah County, Utah.

May 14 - - - Moving in rig and digging reserve pits.

May 15 - - - Moving in rig. Rigging up.

May 16 to 20 - -Rigging up.

Very truly yours,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

FNmm

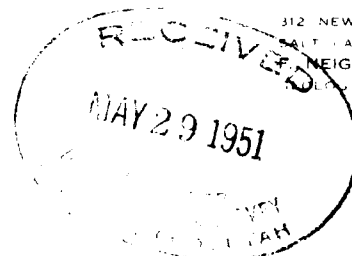
# SUN OIL COMPANY

PHILADELPHIA, PA.

JNO. G. PEW  
VICE PRESIDENT & DIRECTOR

R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH



May 28, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Mr. Hauptman:

The following is the weekly report for May 21 to and including May 27, 1951, on the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

May 22 to May 24 - - - Rigging up.

May 24 to May 27 - - - Laying water line. Rigging up.

Very truly yours,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

FNmmn

# SUN OIL COMPANY

PHILADELPHIA, PA  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

ST. GEORGE, UTAH  
SALT LAKE CITY, UTAH  
F. NEIGHBOR  
DISTRICT

June 4, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Mr. Hauptman:

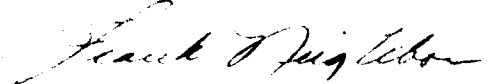
The following is the weekly report for May 28 to and including June 3, 1951, for the Sun Oil Company #1 South Ouray Unit. C NE NE Section 22, T9S, R20E, Uintah County, Utah.

May 28 to June 1 - - Rigging up and laying water line.

June 2 - - Spudded in June 2, 1951.

June 3 - - Drilling below 20'.

Very truly yours,



Frank Neighbor  
District Geologist

FN:mn

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-577  
Unit South Gray

22

1951

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<u>Surface casing</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 7

1951

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C NE NE Section 22 9S 20E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4820 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled 9" hole to TD of 786 feet.  
Reamed 17 1/2" hole to TD of 430 feet.  
Cemented 13 3/8" 54.5# J-55 8 round thread casing with 225 sacks cement,  
49 sacks strata-crete, and 9 sacks gel. followed with 50 sacks  
neat cement.  
Larkin guide shoe and float collar.  
Casing seat 429.85 feet - top float 400.4 feet.  
Circulation pressure 0# - Final pressure 600#.  
Average slurry 11.7 - Cement returns to surface.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

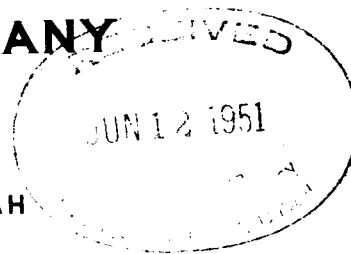
Company Sam Oil Company  
Address P. O. Box 903  
Salt Lake City, Utah  
By Frank Dugger  
Title District Geologist



# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH



812 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST

June 11, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Mr. Hauptman:

The following is the weekly report for June 4 to and including June 10, 1951, for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

June 4 - - - Drilling 425'. Gray sand and shale. 12 $\frac{1}{4}$ " hole. Coming out of hole to reduce to 9" and rat hole ahead before running surface pipe. OS at 330'.  
June 5 - - - Drilling 700' in gray shale. Reduced hole to 9" at 425'.  
June 6 - - - Drilling 785'. Coming out of hole to ream. Reamed 12 $\frac{1}{4}$ " to 17 $\frac{1}{2}$ " at 425'.  
June 7 - - - TD 785'. 17 $\frac{1}{2}$ " hole to 430'. Gray shale. Ran 15 joints of 13 3/8" 54.5# J-55 casing. Casing seat 429.85'. Top of float 400.40'. Larkin guide shoe and float collar. Ran 225 sacks of regular cement with 49 sacks of strata-crete and 9 sacks gel. followed with 50 sacks neat cement. Circulation pressure Off - final pressure 600#. Average slurry 11.7. Cement returns to surface. Waiting on cement.  
June 7 - - - Waiting on cement.  
June 8 - - - Waiting on cement.  
June 9 - - - Waiting on cement.  
June 10 - - - Waiting on cement.

Very truly yours,

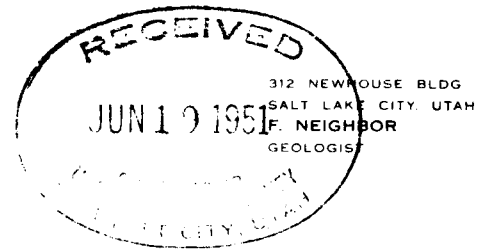
*Frank Neighbor*  
Frank Neighbor  
District Geologist

FNmmn

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH



June 18, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

The following is the weekly report for June 11 to and including June 17, 1951, for the Sun Oil Company #1 South Garay Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

June 11 to June 15 - - TD 785'. Down for repairs. Waiting on parts.

June 16 - - TD785'. Repairing rig.

June 17 - - Drilling 800'.

Very truly yours,

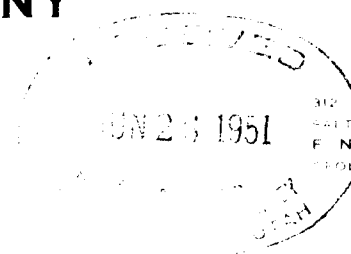
*Frank Neighbor*  
Frank Neighbor  
District Geologist

FNnmn

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH



312 NEWHOUSE BLDG  
SALT LAKE CITY, UTAH  
F. NEIGHBOR  
PROLOGIST

June 25, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

The following is the weekly report for June 18 to and including June 24, 1951, for the Sun Oil Company #1 South Curay Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- June 18 - - Drilling 1215' in gray shale.  $\frac{1}{2}^{\circ}$  at 1140'.
- June 19 - - Drilling in a sand with good porosity and staining.  $\frac{1}{2}^{\circ}$  at 1285'. Mud 3.7# Visc. 35. Preparing to core.
- June 20 - - TD 1555'. Core #1, 1345-1355'. Recovered 10' of which 4' is fine gray shaley sand - no shows, 4' of brown marl, 2' of fine brown marly sandstone with fluorescence and staining along fractures. DST #1 - packer seat at 1328'. Open 45 minutes, shut in 15 minutes. Good blow in opening tool. Recovered 10' of clean drilling fluid. FBHP 70#, STBHP 160#.
- June 21 - - Drilling 1575' in grayish sandy shale.  $3/4^{\circ}$  off at 1500'.
- June 22 - - Drilling 1669' in sandy shale.  $2^{\circ}$  at 1600'.  $1\frac{1}{2}^{\circ}$  at 1640'. Lost some mud at 1669'. Regained full circulation material.
- June 23 - - Drilling 1730' in coarse sand. Had lot of dead oil stains.
- June 24 - - Drilling 1776' in shale.

Very truly yours,

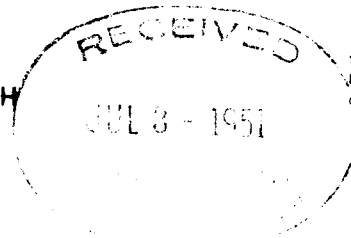
*Frank Neighbor*  
Frank Neighbor  
District Geologist

FNnmn

# SUN OIL COMPANY

PHILADELPHIA, PA  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH



312 NEWHOUSE BLDG  
SALT LAKE CITY, UTAH  
F. NEIGHBOR  
DISTRICT GEOLOGIST

July 2, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

The following is the weekly report for June 25 to and including July 1, 1951, for the Sun Oil Company #1 South Curay Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- June 25 - - Drilling 1875' in brown shale with oil staining.  
June 26 - - TD 1935'. Soft fractured zone from 1912-1936'. Carried fair gas in mud and cuttings. Staining in fractures.  $1\frac{1}{2}$ ' off at 1970'. DST #2 - 1900-1985'. Open 45 minutes. Shut in 15 minutes. Slight blow on opening tool - died in 15 minutes.  
June 27 - - Drilling 2036'. Core #2 1998-2036' Recovered 38' - upper 28' is brown to gray marly oil shale with streaks calcide and vertical fractures - bottom 10' is a brown oil shale. Slight gas bubbles throughout core.  
June 28 - - Drilling 2076' in brown oil shale.  $1\frac{1}{2}$ ' off at 2030'. Core #3 2037-2075'. Recovered 38' brown oil shale.  
June 29 - - TD 2148'. Coring in brown oil shale. Core #4 2076-2148' Recovered 38' brown oil shale. Core #5 2115-2153' Recovered 38' brown oil shale.  
June 30 - - Core #6 2154-2192' recovered 38' brown oil shale. Core #7 2193-2231' recovered 38' brown oil shale.  
July 1 - - Core #8 2232-2270' Recovered 38' brown oil shale.

Very truly yours,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

FNnm

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-9577

Unit 1

22

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent report of drill stem tests

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 2, 1951

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C. NE NE Section 22 9S 20E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Ouray) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4820 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

June 20, 1951 - - Drill stem test #1 - 1328-1355'. Open 45 minutes. Shut in 15 minutes. Good blow on opening tool. Recovered 10' drilling fluid. FBHP 70#. SIBHP 180#.

June 26, 1951 - - Drill stem test #2 - 1900-1985'. Open 45 minutes. Shut in 15 minutes. Slight blow on opening tool. Died in 15 minutes. Recovered 10' drilling mud. FP 20#. BHP 870#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sun Oil Company

Address P. O. Box 903

Salt Lake City, Utah

By Frank T. Highman

Title District Geologist

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**

Lease No. **8-0577**

Unit **1**

RECEIVED

JUL 9 - 1951

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<b>Subsequent report of drill stem test</b>
	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 6

19 51

Well No. **1** is located **660** ft. from **[N]** line and **660** ft. from **[E]** line of sec. **22**

**C NE NE Section 22**

(1/4 Sec. and Sec. No.)

**9S**

(Twp.)

**20E**

(Range)

**Salt Lake**

(Meridian)

**Wilcoat (South Ouray)**

(Field)

**Uintah**

(County or Subdivision)

**Utah**

(State or Territory)

The elevation of the derrick floor above sea level is **4830** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill stem test #3  
July 4, 1951

**2285-2393'** Open 1 hour. Shut in 15 minutes.  
Fair blow 15 minutes. Slight blow next 45  
minutes. Recovered 350' drilling mud and 10'  
oil cut mud. Oil tarry, low gravity.  
FP 14.0# SI 14.0# BHP 104.5#

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Sun Oil Company**

Address **P. O. Box 903**

**Salt Lake City, Utah**

JUL 9 - 1951

*[Signature]*  
District Engineer

Title **District Geologist**

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake

Lease No. U-0577

Unit 1

22

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
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NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent report of drill stem test</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 6, 1951

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C NE NE Section 22 9S 20E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat (South Ouray) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill stem test #4 July 6, 1951  
2480-2573' Open 45 minutes. Shut in 15 minutes.  
Gas to surface in 30 minutes. 1" choke on 2" flow line. 1# pressure. Shut in on surface 5 minutes - built up to 7#. Estimated 2 - 3 MCF.  
Recovered 400' gas cut mud. Top 10' oil cut.  
Tarry oil. FP 170# SI 250# BHP 1110#

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sun Oil Company

Address P. O. Box 903

Salt Lake City, Utah

By Frank T. Hughes

Title District Geologist

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST

July 9, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Mr. Hauptman:

The following is the weekly report for July 2 to and including July 8, 1951, for the #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

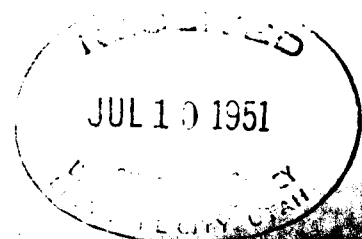
- July 2 - - TD 2238'. Coring brown oil shale.  
July 3 - - Core #9 2230-2339'. Recovered 59' brown oil shale with fractures. Core #10 2339-2370'.  $3\frac{1}{2}$ " at 2355'.  
July 4 - - Core #10 2339-2370'. Recovered 54' of brown oil shale. Core #11 2393-2453'. Recovered 60' of brown oil shale. DST #3 packer seat at 2235-2393' Open 1:00. Shut in 15 minutes. Recovered 350' of rotary mud with top 10' oil stained. FBHP 100#. BHP 1095.  
July 5 - - TD 2513' Coring.  
July 6 - - Core #12 2453-2513'. Core #13 2513-2573'. Recovered 60'. DST #4 2484-2573'. Open 1:00. Shut in 15 minutes. Gas to surface in 30 minutes - slight blow thereafter. Now pulling test tool.  
July 7 - - Core #14 2573-2633'. Recovered 60' dense to medium bluish-gray marl - few fractures with small amount oil.  
July 8 - - Core #15 2633-2693'. Recovered 60'. 11' same as Core #14. 49' shaley-laminated marl - brown color. Very few fractures.

Very truly yours,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

FNmmn

POOR COPY

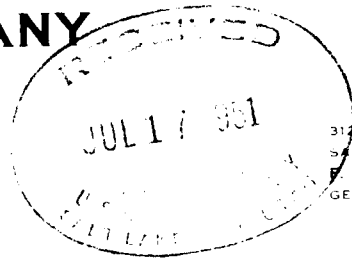




# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH



312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST

July 16, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Mr. Hauptman:

The following is the weekly report for July 9 to and including July 15, 1951, for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- July 9 - - TD 2777'. Core #16 2693-2753'. Recovered 60' of hard gray marl with streaks of brown laminated oil shale. Slight increase in gas readings.
- July 10 - - TD 2839' Core #17 2753-2793'. Recovered 40' brown oil shale. 2 1/4' off at 2810'.
- July 11 - - TD 2882' Core #18 2798-2858'. Recovered 60' of brown marly oil shale with brown tarry oil in fractures and bedding planes. 160 units of gas reading maximum during coring time.  
Core #19 2858-62' Recovered 4' - same as Core #18.  
DST #5 2755-2858'. Open 45 minutes. Shut in 15 minutes. Gas at surface in 20 minutes - slight blow. Recovered 280' of slightly gas cut mud. Surface pressure 1# flowing, 6# shut in. FBHP 50#. SIBHP 100#. Hydrostatic 1350#.
- July 12 - - TD 2945'. Core #20 2862-2922'. Recovered 60' of various colored laminated marl, very fractured, small amount of calcite and tarry oil in fractures. Maximum gas 140 units - average 110 - average time 13 minutes per foot.
- July 13 - - TD 3042' Core #21 2922-82'. Recovered 60' of gray and brown marl with some gilsonite tarry oil in fractures, streaks of silt and lime. Wet gas averaging 15 units from 2945-82'. Core #22 2982-2042' - Approximately same as Core #21.
- July 14 - - TD 3102' Core #23 3042-3102' Recovered 55' blue-gray silty marl - alternating bands of brown shale. Some porosity. Dead oil stains - no odor. Probably fresh water sand.
- July 15 - - TD 3137'. Core #24 3102-3137' Recovered 25' white porous water sand.

Very truly yours,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

Flam

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-0577

Unit 1

0
22

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent report of DST</u> <b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 12, 1951, 19

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C NE NE Section 22 9S 20E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Oquirrh) Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

July 16 - - - DST #6 3155-3197' Open 30 minutes. Shut in 15 minutes. Slight blow for 10 minutes. Gas in mud started mud kicking up from above packer, so had to circulate the test - -no test.

July 18 - - - DST #7 2935-3197' Open 2 hours. Shut in 15 minutes. Fair blow throughout. Gas to surface in one hour. Recovered 300' of gas cut mud - 302' of brackish water. (2960 parts per million salt) Initial flow pressure 500# Final flow pressure 1400# SIBHP 1700# Hydrostatic 1700#

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company San Oil Company

Address P. O. Box 903

Salt Lake City, Utah

By Frank Neighan

Title District Geologist

# SUN OIL COMPANY

PHILADELPHIA, PA  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

312 NEWHOUSE BLDG  
SALT LAKE CITY, UTAH  
F. NEIGHBOR  
GEOLOGIST

July 23, 1951

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Mr. Hauptman:

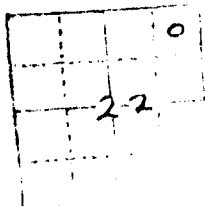
The following is the weekly report for July 16 to and including July 22, 1951, for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- July 16 - - DST #6 3155-97' Open 30 minutes. Shut in 15 minutes. Slight blow for 10 minutes - died. Started mud from above packer. Coming out with test. Core #25 3137-97' Recovered 60' marl and oil shale.
- July 17 - - Conditioning mud.
- July 18 - - Core #26 - oil shale. DST #7 2935-3197' Open two hours. Shut in 15 minutes. Gas to surface in one hour. IFP 500# FFP 1400# SIBHP 1700# Hydro 1700# Recovered 3137' fluid which was 2837' brackish water and 300' gas cut drilling mud.
- July 19 - - TD 3265' Core #26 3197-3257' Recovered 60' of dark gray and brown laminated shale and oil shale.
- July 20 - - TD 3345' Core #27 3257-3317' Recovered 60' of brown oil shale.
- July 21 - - Core #28 3317-77' Recovered 60' calcareous gray shale - brown dense fractured limestone. Highly fractured. Show of gas and oil. Core #29 3377-3421' Recovered 44' gray shale with 10' limy silt - fair stain and oil odor - few tight fractures. Brown limestone - fractured to some extent. Bright green shale. Streaks porous ostracodal limestone at base. Good odor and stain. (Mostly shale) DST #8 3317-3421' Open 45 minutes. Shut in 15 minutes. Fair blow air at start. Decreased steadily. Dead in 40 minutes. Recovered 360' slightly oil and gas cut mud. BHFP 70# FBHP 80# SIBHP 350# Hydro 1790#
- July 22 - - Core #30 3421-81' Recovered 60' tight brown sand - streaks ostracodal limestone - tight - show of gas and oil. Mostly had calcareous shale and shaly limestone - greenish gray.

Very truly yours,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

FNmm



AUG 3 1951

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CENTER

Land Office Salt Lake City

Lease No. U-0577

Unit 1

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent report of DST</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 23, 1951

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C. NE. NE. Section 22  
(4 Sec. and Sec. No.)

9S  
(Twp.)

20E  
(Range)

Salt Lake  
(Meridian)

Wildcat (South Uray)  
(Field)

Uintah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

July 21 - - DST #8 3317-3421' Open 45 minutes. Shut in 15 minutes.  
Fair flow air at start. Decreased steadily. Dead in 40 minutes. Recovered 360' slightly oil and gas cut mud.  
BHFP 70# FBHP 80# SIBHP 350# Hydro 1790#

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

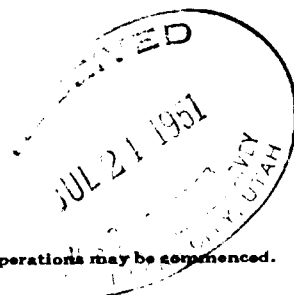
Company Sun Oil Company

Address P. O. Box 303

Salt Lake City, Utah

Approved AUG 3 1951  
W. A. Stauffer  
District Engineer

Title District Geologist



Land Office Salt Lake City  
 Lease No. U- 577  
 Unit 1

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<b>Subsequent report of DST</b>	<b>x</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 2 19 51

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C NE NE Section 22 98 20E Salt Lake

( $\frac{1}{4}$  Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wilecat (South Oway) Uintah Utah

(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

July 31 - - DST #9 3836-3971' Open one hour and fifteen minutes. Shut in fifteen minutes. Weak blow - building up to strong blow. Recovered 1696' water - slightly gas cut - sulphur odor.  
IBHP 50# FBHP 700# SIBHP 1900# Hydrostatic 2200#

**I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.**

Company Sun Oil Company  
Address P. O. Box 3296  
Salt Lake City, Utah

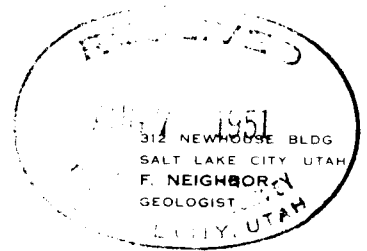
Title District Geologist

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

August 6, 1951



Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Mr. Hauptman:

The following is the weekly report for July 30th to and including August 5th, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- July 30 - TD 3906' Core #39 3863-3903' Rec. 40' of grey shale. Now coring on core #40.
- July 31 - TD 3971' Coring in white sand and gray shale with a few oolitic limestone stringers. Core #40 3903-3943' cut 40' Rec. 27' of white and gray sandy shale. Core #41 3943-3971' cut 28' - rec. 40' of same.
- Aug. 1 - TD 4003' DST #9 3971-3836' Open 80 min. Shut in 15 min. Rec. 1696' of slightly gas cut sulphur water. FBHP 700# SIBHP 1900# Hydro. 2200#
- Aug. 2 - TD 4051' - Grey sandy shale. Mud 10.9# Visc. 50 - 1° at 3985'. Core #42 - 3971'-4011', rec. 40' of grey shale. Core #43 - 4011'-4051' - rec. 40'. Going in hole to core #44.
- Aug. 3 - TD 4096' Sand and shale. Mud 10.9# - Visc. 49.1½° at 4070' -
- Aug. 4 - Coring at 4171' Core #44 - 4051-4111' Core #45 4111-71' Recovered 60' broken dark gray marly shale and limy fine sandstone quartzite. Very fine - tight-fractured. No shows.
- Aug. 5 - Coring #46 - 4171-4215' Recovered 44' plug barrel. Dark greenish gray dense marl-broken-with limy quartzitic sandstone. One tight fracture near bottom with heavy oil.

Very truly yours,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

FN/jm

# SUN OIL COMPANY

PHILADELPHIA PA

JNO. G. PEW

VICE PRESIDENT & MANAGER

R. W. PACK

DIRECTOR OF PRODUCTION

DISTRICT OFFICE

POST OFFICE BOX 903

SALT LAKE CITY, UTAH

August 13, 1951

312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

The following is the weekly report for August 6, 1951 to August 12, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- August 6 - TD 4267'. Sand & shale. Mud 10.7# - Visc. 55  
1 1/4" at 4215'. Ran 12-6" drill collars. Core #46  
4171' - 4215'. Cored 44' plugged barrel & 43'  
of core.
- August 7 - TD 4316'. Shale & sand. Mud 10.7#; Visc. 48.  
1 1/4" at 4275'. 12-6" drill collars. Core #47  
4215'-4275' cut 60', rec. 60'. Core #48, 4275'-  
4316'. Cut 41'. plugged barrel coming out of hole.
- August 8 - TD 4339' In gray shale, crumbly and fractured. Mud  
10.8#; Visc. 48. 1 1/4" at 4275'. Core #49 4316'-  
4323'. Rec. 7' plugged barrel. Core #50 4323'-  
4329'. Rec. 6' plugged barrel Core #51 4329'-  
4339'. Coring. Avg. gas reading 30-50 units.
- August 9 - TD 4373' Core 4329'-61'. Rec. 32' plugged barrel  
Coring ahead.
- August 10- TD 4410' Core #52 4361-4399'. Cored 38' plugged  
barrel and recovered 38'. Gas about 1 unit.
- August 11- TD 4445' Lost circulation. Core #53 4399'-4444'  
Rec. 45' Bluish gray marl - fractured tarry oil.  
Gas reading 0-5 units. Core #54 4444'-45'. Rec.  
1' - Same as above.
- August 12 - TD 4451' Circulation regained. Core #55 - 4445'-51'.  
Rec. 6' very fractured green silty and limy marl.  
Tarry black oil. Gas reading 45 units.

Yours very truly,

*Frank Neighbor*

Frank Neighbor  
District Geologist

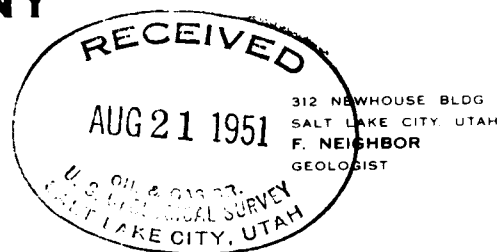
jm

AUG 14 1951

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH  
August 20, 1951



Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

The following is the weekly report for August 13, 1951 to and including August 19, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R 20E, Uintah County, Utah.

- August 13 - TD 4468' Regained full circulation & on bottom coring at 1:00 p.m. 8/12. Mud 10.1# Visc. 60. Core #54 4445-51' Rec. 6' of shale. Core #55 - 4451-68'. coring.
- August 14 - TD 4504' Shale - Core #56 4451-4504', cut and rec. 53' Mud 10.1# Visc. 62. 1° @ 4430'. Preparing to DST.
- August 15 - TD 4523'. shale. Mud 10.0# Visc. 70 1° @ 4430'. DST #10 4409-4504' open 30 min. shut in 15 min. light blow on opening too, then died. Rec. 10' of mud - pressure bombs failed to operate and plugged test tool. Core #57 4504-23'. Rec. 19' 4' dark gray-green marl; 8' same, well fractured with clean tight fracture and traces "Duchesne" type oil. Also brown-black tarry oil on slickensides. 7' darker gray-green to brownish slightly shaly marl. Slickensides. Preparing to DST.
- August 16 - TD 4545' Coring in shale. Mud 10.0# Visc. 70. 1° at 4530'. DST #11 4430'-4523' open 1½ hours, shut in 15 min. light blow for 25 min. and died. FBHP 55-80#; SIBHP 80#; Hydro. 2500# Recovered 90' of rotary mud. Now coring on Core #58.
- August 17 - TD 4585' - Dark black shale with heavy, black, sticky oil bleeding out of cores. Mud 10.0# Visc. 65 1° at 4530'. Core #58: 4523-4583'. Cut and recovered 60'. Avg. gas reading: 60 units.
- August 18 - Core #59 4583-4633. Recovered 50' dark brown to black marly shale. Some oil showing along fractures.
- August 19 - Core #60 4633-64. Recovered 31' brown marly oil shale. Scattered short fract. zones. Some oil along fractures. DST #12 - 4523-4664 open 3 hours. Fair blow. decreased steadily SI 15 min. Recovered 95' of drilling mud. IFP 25# FFP 55# SI 55# Hydro. Pressure 2440#.

Yours very truly,

*Frank Neighbor*  
Frank Neighbor  
District Geologist



**Salt Lake City, Utah**

Land Office U-0577

Lease No. \_\_\_\_\_

Unit \_\_\_\_\_

AUG 21 1951

**(SUBMIT IN TRIPLICATE)**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Aug 29 1951

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	<del>SUBSEQUENT REPORT OF</del> <del>WELL HISTORY</del>	
NOTICE OF INTENTION TO ABANDON WELL	<del>SUBSEQUENT REPORT OF</del> <del>DOT</del>	<b>X</b>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 20, 1951

Well No. 1 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 22  
 C NE NE Section 22                      9S                      20E                      Salt Lake  
 (4 Sec. and Sec. No.)                      (Twp.)                      (Range)                      (Meridian)  
 Wildcat (South Oury)                      Uintah                      Utah  
 (Field)                      (County or Subdivision)                      (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

August 15 - - DST #10 4409-4508' Open 30 minutes. Shut In 15 minutes. Light blow on opening tool then died. Recovered 10' of drilling mud. Pressure bombs failed to operate.

August 16 - - DST #11 4430-4523'. Open 1 1/2 hours. Shut in 15 minutes. light blow for 25 minutes and died. FBHP 55-80#; SIBHP 60#; Hydro. 2500# Recovered 90' rotary mud. No show.

August 19 - - DST #12 4523-4664' Open 3 hours. fair blow. decreased steadily. Shut in 15 minutes. Recovered 95' of drilling mud. IFP 25#; FFP 55#. SI 55#. Hydro. pressure 2440#.

**I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.**

Company Sun Oil Company

Address P. O. Box 903.

Salt Lake City, Utah

1 AUG 28 1951  
District Engineer

By Frank Hughes

**Title** RESEARCH REPORT

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Salt Lake City, Utah

Land Office  
U-0577

Lease No. 1

Unit

AUG 27 1951

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PILE OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Subsequent report of DST

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 24, 1951

Well No. 1 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 22  
C NE NE Section 22 9S 20E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wilcox (South Ouray) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

August 22, 1951 - - D.S.T. #13

4722' - 4845': Open two hours, Shut In 15 minutes.  
Slight blow throughout test. Recovered 350' of slightly  
gas cut mud. IBHFP 40#; FBHFP 100#; SIBHFP 500#;  
Hydro. Pressure 2625#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company San Oil Company

Address P. O. Box 903,  
Salt Lake City, Utah

By Frank Neighbor  
District Geologist

Title

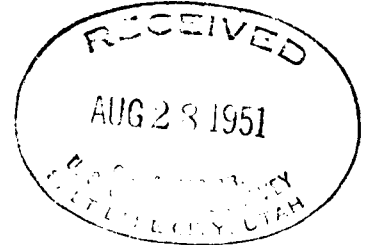
# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

August 27, 1951

312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST




Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

The following is the weekly report for August 20th to and including August 26th, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- August 20- TD 4688'. In shale. Mud 10.0#; Visc. 70. Left part of packer seat in hole. Went in to clean out. Now coring on Core #61.  $1\frac{1}{4}^{\circ}$  at 4640'.
- August 21 - TD 4760'. Sand and shale. Mud 10.1#; Visc. 50.  $1\frac{1}{4}^{\circ}$  at 4735'. Core #61: 4665'-4725' cut 60' recovered 60'. Average gas reading: 10 units.
- August 22 - TD 4841'. In sand. Mud 10.1# Visc. —  $1\frac{1}{4}^{\circ}$  at 4795'. Core #62: 4725'-84' recovered 59'. now coring on Core #63. Average gas reading: 10 units.
- August 23 - TD 4875'. In sandy shale. Mud 10.1#; Visc. 60.  $1\frac{1}{4}^{\circ}$  at 4795'. Core #63 - 4784'-4845'. Rec. 60' of sandy shale. DST #13: 4722-4845. Tool open 2 hours. shut in 15 min. Rec. 350' slightly gas cut rotary mud. FBHP 40-100#. SIBHP 500#; Hydro. 2625#; Avg. gas reading: 5 units. Now coring on #64.
- August 24 - TD 4941'. sandy shale. Mud 10.1# Visc. 52.  $1^{\circ}$  at 4920'. Core #64 4845'-4905'. Rec. 60' of sandy shale and some sand stringers. Now coring on Core #65. Avg. gas reading 7-8 units.
- August 25 - Coring at 4991'.
- August 26 - Coring at 5061'.

Yours very truly,

  
Frank Neighbor  
District Geologist

jm

Salt Lake City, Utah  
Land Office  
Lease No. U-0577  
Unit 1

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Subsequent report of DST	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 27, 1951

Well No. 1 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 22  
C NE NE Section 22 9S 20E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Oway) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

August 26, 1951 - - DST #14

4970' - 5063': Open two hours; Shut in 15 minutes  
good blow first hour, decreased slightly second hour.  
Recovered 60' of drilling mud.  
BHFP 25# - 55#; SIBHP 80#; Hydro. 2620#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sun Oil Company

Address PO Box 903,  
Salt Lake City, Utah

AUG 28 1951

By [Signature]  
Title District Geologist

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH  
September 4, 1951

312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST



Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

The following is the weekly report for August 27th to and including September 2, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- August 27 - TD 5086' Shale and sand. Mud. 10.1#; Visc. 52. 1 $\frac{1}{4}$ <sup>o</sup> at 5035'. Core #67: 5025'-5063'. Rec. 38' shale and sand. DST #14: 4970'-5063'. Tool open 2 hours; shut in 15 min. good blow on opening and decreased thereafter with slight blow throughout test. Rec. 60' clean mud. FBHP 25-55#; SIBHP: 80#; Hydro. 2620#. Now coring on core #68 at 5086'.
- August 28 - TD 5128' - in shale. Mud. 10.0#; Visc. 55. 1 $\frac{1}{4}$ <sup>o</sup> at 5035'. Core #68: 5063'-5123' Rec. 60' shale and sand.
- August 29 - TD 5198' - Sandy shale. Mud 10.2#; Visc. 55. 1 $\frac{1}{4}$ <sup>o</sup> at 5125'. Core #69: 5123'-83' recovered 60' of gray sandy shale with very slight shows. Average gas reading: 6 units. Now coring on Core #70.
- August 30 - TD 5243' - Shale. Mud 10.1#; Visc. 59. 1 $\frac{1}{2}$ <sup>o</sup> at 5220'. Core #70: 5183'-5243' recovered 60' of shale
- August 31 - TD 5291' - Mud. 10.1#; Visc. 55. Core #71: 5243'-5291' recovered 48' of white sand and gray friable shale.
- Sept. 1 - Coring at 5353' - Core #72: 5291'-5351' recovered 60': 5' dark porous red shale; 2 $\frac{1}{2}$ ' pale green shale; 15' red shale; 2' hard calcareous green shale; 12' red shale; 4' green shale; 2' red shale; 6' very hard pale green shale; 11 $\frac{1}{2}$ ' light gray sandstone - water.
- Sept. 2 - Coring at 5408' - Core #73: 5351'-5393' - Recovered 42' 3 $\frac{1}{2}$ ' soft white sandstone - black accessories - Slight porosity-water. Root of core is dark purplish-red shale with streaks of hard shaly sandstone.

Yours very truly,

Frank Neighbor  
District Geologist

fn/jm

# SUN OIL COMPANY

PHILADELPHIA, PA.

JNO. G. PEW  
VICE PRESIDENT & DIRECTOR

R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903

SALT LAKE CITY, UTAH

September 10, 1951

312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST



Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

Following is the weekly report for September 3rd to and including September 9, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- Sept. 3 - Drilling at 5440' (sand) commenced drilling at 5430'. Core #74: 5393' to 5430'. Recovered 37' mostly reddish purple shale. Mud. 10.1#; Visc. 65;  $1\frac{1}{4}^{\circ}$  at 5375'. Bottom part of core was hard sand. Drilling ahead
- Sept. 4 - Total depth 5515' - sandy shale. Mud 10.1#; Visc. 65  $7\frac{1}{2}^{\circ}$  at 5455'. Cut 67' in 19 hours. Average gas reading: 10 units.
- Sept. 5 - Total depth 5630'. Sand and shale. Mud. 10.4#; Visc. 65  $1\frac{1}{2}^{\circ}$  at 5540'. Average gas reading: 0 Drilling ahead
- Sept. 6 - Total depth 5740' - sand and shale. Mud 10.4#; Visc. 65  $1\frac{1}{4}^{\circ}$  at 5690'. Drilling ahead
- Sept. 7 - Total depth 5840'. Sand and shale - Mud 10.6#; Visc. 65  $1\frac{1}{4}^{\circ}$  at 5690'. Gas reading: 0
- Sept. 8 - Drilling at 5930' - vari-colored shale
- Sept. 9 - Drilling at 6028' - vari-colored shale.

Yours very truly,

Frank Neighbor  
District Geologist

fn/jm

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH  
September 17, 1951

312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

Following is the weekly report for September 10th to and including September 16, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- Sept. 10 - Total depth 6120' Sand and shale. Mud. 10.6#; Visc. 72  $\frac{1}{4}$ ° at 6065'. Average gas reading:  $\frac{1}{4}$  units. Drilling ahead
- Sept. 11 - Total depth 6221' In sand and shale.  $\frac{1}{2}$ ° at 6175'. Gas reading: 0
- Sept. 12 - Total depth 6305' - Sand and shale with some anhydrite. Mud 10.6#; Visc. 78. Gas reading: 0
- Sept. 13 - Total depth 6356' In sand and shale. Mud 10.6#; Visc. 80 Bit #27 pulled to run core barrel. Core #75: 6311' to 6356' recovered 45' sand with some shale streaks; no shows. Going in hole with bit #27 to drill ahead.
- Sept. 14 - Total depth 6430' sand and shale. Mud. 10.6#; Visc. 64  $\frac{1}{2}$ ° at 6360'.
- Sept. 15 - Drilling at 6523' in shale - streaks of hard sandstone. Very little chert
- Sept. 16 - Shale - Drilling at 6605'.

Yours very truly,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

fn/jm



# SUN OIL COMPANY

PHILADELPHIA, PA  
JNO. G. FEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH  
September 24, 1951

OLD NEWHOUSE BUILDING  
SALT LAKE CITY, UTAH  
F. NEIGHBOR  
DISTRICT GEOLOGIST

Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

Following is the weekly report for September 17th to and including September 23, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- Sept. 17 - Total depth 6685' - in shale - mud 10.7#; visc. 57;  $\frac{1}{2}$ ° at 6580'  
Gas reading: 0
- Sept. 18 - Total depth 6774' - sand and shale. Gas readings: 0 -  $\frac{1}{2}$ ° at 6675'
- Sept. 19 - Total depth 6861' - sand and shale. Gas reading: 0 -  $\frac{1}{2}$ ° at 6825'
- Sept. 20 - Total depth 6913' - in sand; mud 10.7#; visc. 65. Bit pulled; preparing to run core barrel. Top of Sand at 6906' - gas reading increased from 0 to 135 units. Will take drill stem test as soon as core is pulled, probably this afternoon.
- Sept. 21 - Total depth 6929' - Core #76: 6913' to 6929', cut 16' - recovered 16' of gray sandy shale with no shows. Ran Halliburton DST #15: 6904'-29', open one hour, light blow for 30 minutes and died. Recovered 240' of clean rotary mud. Test tool plugged. DST #16: 6898' to 6929' open one hour, 30 minutes. Faint blow for ten minutes. Tester did not open; no test; now coming out of hole. Mud. 10.7#; Visc. 63;  $\frac{1}{2}$ ° at 6825'.
- Sept. 22 - Drilling at 6970' DST #17: 6890' to 6929' open 70 minutes shut in 15 minutes. Recovered 790' water cut drilling mud. IFP 420#; FFP 420#; BHP 775#; Hydro. 3990#; strong to vigorous blow throughout test.
- Sept. 23 - Drilling at 7033'.

Yours very truly,

*Frank Neighbor*

Frank Neighbor  
District Geologist

fn/jm



		0
22		

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City, Utah  
Lease No. U-0577  
Unit 1

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of DST	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 24, 1951

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22

C NE NE Section 22  
(1/4 Sec. and Sec. No.)

9S

20E

Salt Lake

Wilecat (South Oquirrh)  
(Field)

Uintah

Utah

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- Sept. 21, 1951 - - DST #15: 6904' - 6929'; open 1 hour; light blow for 30 minutes and died. Recovered 240' of clean rotary mud. Test tool plugged.  
Sept. 21, 1951 - - DST #16: 6898' - 6929'; open 1 hour, 30 minutes. Faint blow for ten minutes; tester did not open - no test  
Sept. 22, 1951 - - DST #17: 6890' - 6929'; open 70 minutes; shut in 15 minutes recovered 790' water cut drilling mud. IFP 420#; PFP 420#; BHP 775#; Hydro. 3990#; Strong to vigorous blow throughout test.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sun Oil Company

Address PO Box 223

Salt Lake City, Utah

OCT 4 - 1951

Approved

By Frank Neighbors  
District Engineer

Title District Geologist

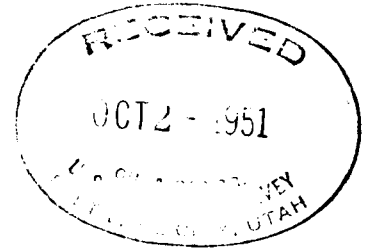
# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

October 1, 1951

312 NEWHOUSE BLDG  
SALT LAKE CITY, UTAH  
F. NEIGHBOR  
GEOLOGIST



Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

Following is the weekly report for September 24th to and including September 30, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- Sept. 24 - Drilling at 7110' - sand and shale - Mud 10.7#; Visc. 50  $\frac{1}{2}$  at 6965'.
- Sept. 25 - Total depth 7191' - shale and sand; mud 10.6#; visc. 52  $\frac{1}{2}$  at 7115' - Gas reading : 0
- Sept. 26 - Total depth 7265' - in red beds, mud. 10.6#; visc. 48 gas readings: 0
- Sept. 27 - Total depth 7325' - Hard green sand; mud 10.7#; visc. 59
- Sept. 28 - Total depth 7375' - sand and chert. Mud. 10.8#; visc. 60  
Junk basket being run to pick up bit bearings left in hole.  
Gas reading: 0
- Sept. 29 - Drilling at 7418' in vari-colored shale and sandstone.  
No shows.
- Sept. 30 - Drilling at 7450' - vari-colored shale and fine tight sandstone. no shows.

Yours very truly,

*Frank Neighbor*

Frank Neighbor  
District Geologist

fn/jm

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST

October 8, 1951



Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

Following is the weekly report for October 1st to and including October 7, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- Oct. 1st - Total depth 7502' in hard sand; no shows. Mud 10.8#  
Visc. 61; Gas reading: 0
- Oct. 2nd - Total depth 7559' in red siltstone. Mud 10.6#; Visc. 57  
Lost approximately 200 bbls. of mud between 7512'-16'.  
Gas reading: 0
- Oct. 3rd - Total depth 7615' in sand and shale. Mud 10.6#; Visc. 56  
No mud lost in last 24 hours. Gas reading: 4 units
- Oct. 4th - Total depth 7672' in sand and shale. Mud 10.5#; Visc. 57  
 $\frac{1}{2}$  at 7600' Gas reading: 20 units --indications are that  
this gas is coming from up the hole. Will increase weight  
of mud.
- Oct. 5th - Total depth 7729' in sand and shale. Mud 10.7#; Visc. 64  
Gas reading: 0
- Oct. 6th - Total depth 7796' in shale
- Oct. 7th - Drilling at 7832' in gray-green shale. Core 7822'-32':  
Recovered 10' - 2' tight greenish-gray sandstone; no show  
8' dolo. grayish-green shale with streaks of mottled maroon  
shale. Gas 30-40 units at 7820'. Fell off to 10.

Yours very truly,

*Frank Neighbor*

Frank Neighbor  
District Geologist

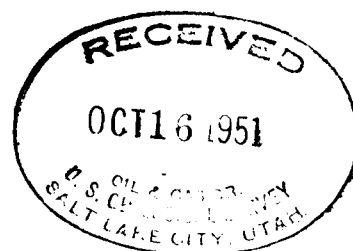
fn/jm

# SUN OIL COMPANY

PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH  
October 15, 1951

312 NEWHOUSE BLDG  
SALT LAKE CITY, UTAH  
F. NEIGHBOR  
GEOLOGIST



Mr. C. A. Hauptman  
306 Federal Bldg.  
Salt Lake City, Utah

Dear Sir:

Following is the weekly report for October 8, to and including October 15, 1951, for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- Oct. 8 - Total depth 7880' in sand and shale. Mud 10.8#; Visc. 56  
Gas reading: 0
- Oct. 9 - Total depth 7923' sand and shale. Mud 10.8#; Visc. 67  
Gas reading: 0
- Oct. 10 - Total depth 7975' in sand and shale. Mud 10.8#; Visc. 54  
 $\frac{1}{2}$  at 7945'. Lost circulation for one hour at 7940'.  
Lost approximately 150 barrels mud. Gas reading: 0
- Oct. 11 - Total depth 8043' in sand. Mud 10.6#; Visc. 60. Drilling  
break from 8040' to 8043'. Gas increased from 0 to 180  
units.
- Oct. 12 - Total depth 8049' Mud 11.5#; Visc. 70. Lost circulation  
and regained. Coming out of hole to run DST. Packer set  
15' off bottom.
- Oct. 13 - Total depth 8049' - conditioning mud. DST #18: 8034' to  
8049'. Open 90 minutes; shut in 15 minutes. 2000' water  
cushion. Made gas and spray of water cushion to surface in  
25 minutes. Recovered 1450' of heavily gas cut and slightly  
distillate cut water cushion. Surface flow pressure through  
1" choke maximum of 66#, levelled off at 45#.  
IBHFP 800#; FBHFP 600#; SIP 1900#; Hydrostatic head 4840#.
- Oct. 14 - Drilling in shale at 8047'.

Yours very truly,

Frank Neighbor  
District Geologist

fn/jm

(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYField Office Salt Lake City  
Case No. 1-277  
1

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of DST	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 16, 1951

Well No. 1 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 22  
C NE NE Section 22 90 20E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Ouray) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4330 ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Oct. 13, 1951 - DST #18: 8034' to 8049' Open 90 minutes. Shut in 15 minutes. 2000' water cushion. Made gas and spray of water cushion to surface in 25 minutes estimated at 400 MCF. Recovered 1450' of heavily gas cut and slightly distillate cut water cushion. Surface flow pressure through 1" choke maximum of 66#, levelled off at 45#. IBHFP 800#; FBHFP 600#; SIP 1900#; Hydrostatic head 4840#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sun Oil Company

Address PO Box 903,

Salt Lake City, Utah

Approved OCT 16 1951  
District GeologistBy Frank D. Neighbor  
District Geologist

Title

# SUN OIL COMPANY

PHILADELPHIA PA  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH  
October 22, 1951

312 NEWHOUSE BLDG  
SALT LAKE CITY UTAH  
F. NEIGHBOR  
GEOLOGIST

Mr. C. A. Hauptman  
306 Federal Bldg.  
Salt Lake City, Utah

Dear Sir:

Following is the weekly report for October 15th to and including October 21st, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

Oct. 15 - Drilling at 8115' in shale with sandy streaks. Mud 11.4#; Visc. 47 - 140 gas units.  
Oct. 16 - Total depth 8145' in shale. Mud 11.2#; Visc. 60. Lost circulation at 8125' for 18 hours. 140 gas units.  
Oct. 17 - Total depth 8180' in shale. Mud 11.7#; Visc. 75. No mud lost - 140 gas units.  
Oct. 18 - Total depth 8225' in shale; mud 11.7#; Visc. 70;  $\frac{1}{2}$ " at 7945' 10 gas units.  
Oct. 19 - Total depth 8270' in sand and shale. Mud 11.6#; Visc. 75  
Oct. 20 - 8320' in shale  
Oct. 21 - Total depth 8370'.

Yours very truly,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

fn/jm

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Budget Bureau 42-R388.2  
Approval expires 12-31-52

Land Office Salt Lake City  
Lease No. U-0577  
Unit 1

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of DST	<input checked="" type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 16, 1951

Well No. 1 is located 660 ft. from N line and 660 ft. from E line of sec. 22  
C NE NE Section 22 9S 20E Salt Lake  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Wildcat (South Ouray) Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4830 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Oct. 13, 1951 - DST #18: 8034' to 8049' Open 90 minutes. Shut in 15 minutes. 2000' water cushion. Made gas and spray of water cushion to surface in 25 minutes estimated at 400 MCF. Recovered 1450' of heavily gas cut and slightly distillate cut water cushion. Surface flow pressure through 1" choke maximum of 66#, levelled off at 45#. IBHFP 800#; FBHFP 600#; SIP 1900#; Hydrostatic head 4840#.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Sun Oil Company  
Address PO Box 903,  
Salt Lake City, Utah

Approved OCT 19 1951  
Frank D. Neighbor  
District Geologist  
Title

# SUN OIL COMPANY

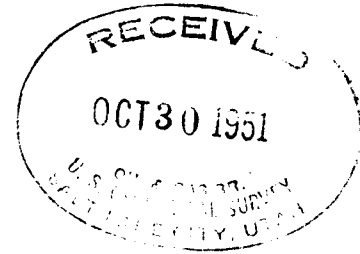
PHILADELPHIA, PA.  
JNO. G. PEW  
VICE PRESIDENT & DIRECTOR  
R. W. PACK  
DIRECTOR OF PRODUCTION

DISTRICT OFFICE  
POST OFFICE BOX 903  
SALT LAKE CITY, UTAH

312 NEWHOUSE BLDG  
SALT LAKE CITY, UTAH  
F. NEIGHBOR  
GEOLOGIST

October 29, 1951

0577



Mr. C. A. Hauptman  
306 Federal Building  
Salt Lake City, Utah

Dear Sir:

Following is the weekly report for October 22nd to and including October 26th, 1951 for the Sun Oil Company #1 South Ouray Unit, C NE NE Section 22, T9S, R20E, Uintah County, Utah.

- Oct. 22nd - Total depth 8425' in shale. Mud 12.0#; Visc. 100
  - Oct. 23rd - Shale. Mud 12.2#; Visc. 52. Running Schlumberger from 423' to 8457'.
  - Oct. 24th - Total depth 8457' Completed running electric survey, temperature and dipmeter. Preparing to run velocity survey.
  - Oct. 25th - Total depth 8457' Running velocity survey
  - Oct. 26th - Total depth 8457' Completed running velocity survey and spotted the following cement plugs for abandonment:
    - Plug #1, 35 sacks, 7930' to 8030'
    - Plug #2, 35 sacks, 3870' to 3920'
    - Plug #3, 30 sacks, 2900' to 2950'
    - Plug #4, 40 sacks, 410' to 480'
- Now laying down drill pipe. Plugged and abandoned 5 a.m. on October 26, 1951.

Yours very truly,

*Frank Neighbor*  
Frank Neighbor  
District Geologist

fn/jm



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Salt Lake City

Land Office U-0577

Lease No.

Unit 1

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 23, 1951

Well No. 1 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 22

C NE NE Section 22  
(1/4 Sec and Sec. No.)

9S  
(Twp.)

20E  
(Range)

Salt Lake  
(Meridian)

Wildcat (South Ouray)  
(Field)

Utah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 4830' ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

In accordance with our telephone conversation, it is our intention to abandoned our #1 South Ouray Unit at a total depth of 8457' after running an electric survey, temperature survey, dipmeter survey and velocity survey. We have fulfilled our obligation as stated in our Notice of Intention to Drill dated May 15, 1951 in which the test was set up as a Basal Wasatch or 6000' test, inasmuch as we have drilled the well to a total depth of 8457' through the Wasatch and some 200' into the Mesa Verde formation. Also in accordance with our telephone conversation, we will set the following plugs: 7980' to 8030'; 3870' - 3920'; 2900' to 2950'; 410' to 480', and a plug with 4' marker in the top of the surface pipe.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company SUN OIL COMPANY

Address PO Box 1798,

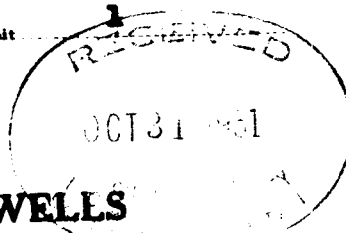
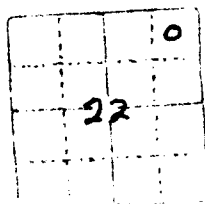
Salt Lake City, Utah

Title District Geologist

(SUBMIT IN TRIPLICATE)

Land Office **San**  
Lease No. **U-0577**  
Unit **1**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
AUG 19 1952  
ORIGINAL FORWARDED TO CASPER



**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 29, 1951

Well No. **1** is located **660** ft. from **[N]** line and **660** ft. from **[E]** line of sec. **22**  
**C NE NE Section 22**  
**Wildcat (South Ouray) 9S 20E Salt Lake**  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Uintah Utah**  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **4830** ft.

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudlogging jobs, cementing points, and all other important proposed work)

Total depth 8457' - An electric survey, temperature survey, dipmeter survey, and velocity meter survey were made to total depth. The well was plugged and abandoned on Oct. 26, 1951. The following plugs were set:

Plug #1, 35 sacks, 7980' - 8030'  
 Plug #2, 35 sacks, 3870' - 3920'  
 Plug #3, 30 sacks, 2900' - 2950'  
 Plug #4, 10 sacks, 1804' or surface casing  
 Plug #5, 10 sacks, 1804'

4' marker - top of surface pipe

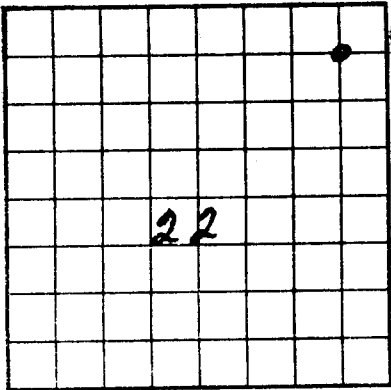
Inspected by District Engineer on August 7, 1952, and found to be satisfactory.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **San Oil Company**  
 Address **PO Box 903,**  
**Salt Lake City, Utah**

Approved **AUG 19 1952**  
**W. H. Hauptmann**  
 District Engineer

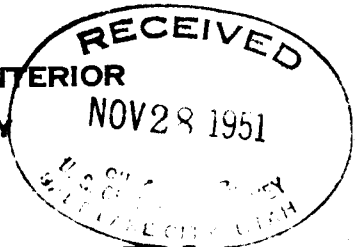
Title **District Geologist**



LOCATE WELL CORRECTLY

LEASE NO. U-0577  
L. NUMBER  
L. OR PERMIT TO PROSPECT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NOV 28 1951  
GEOLOGICAL SURVEY



# LOG OF OIL OR GAS WELL

Company SUN OIL COMPANY Address P. O. Box 903, Salt Lake City,  
Lessor or Tract South Oquirrh Unit #1 Field Wildcat State Utah  
Well No. 1 Sec. 22 T. 9S R. 20E Meridian Salt Lake County Uintah  
Location 660 ft. {N} of N Line and 660 ft. {W} of E Line of Section 22 Elevation 4830'  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Frank Neighor  
Title District Geologist

Date November 21, 1951

The summary on this page is for the condition of the well at above date.

Commenced drilling June 2, 19 51 Finished drilling October 26, 19 51

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from 2950' to 3320' No. 3, from 3960' to 3970'  
No. 2, from 3920' to 3938' No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>13 3/8"</u>	<u>54.5#</u>	<u>8 round</u>	<u>J55</u>	<u>430'</u>	<u>Larkin guide shoe</u>				<u>surface pipe</u>
HISTORY OF OIL OR GAS WELL									

## MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8"</u>	<u>429.85'</u>	<u>333 sacks</u>	<u>open end drill pipe</u>	<u>11.7#</u>	<u>9 sacks gel</u>

## PLUGS AND ADAPTERS

Heaving plug—Material cement Length (1) 50' Depth set 7980' - 8030'  
(1) 60' 3870' - 3920'  
Adapters—Material \_\_\_\_\_ Size 2900' - 2950'  
4010' - 4080'

## SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Top of Surface Pipe Depth cleaned out

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to 457' feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Put to producing \_\_\_\_\_, 19\_\_\_\_\_  
The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. \_\_\_\_\_  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

Contractor: Loffland Bros. Driller \_\_\_\_\_, Driller \_\_\_\_\_  
Driller \_\_\_\_\_, Driller \_\_\_\_\_